

CLASSIFIED MESSAGE

S E C R E T

ORIG :
 UNIT :
 EXT :
 DATE : 17 JUN 70

TO :

FROM:

CONF:

INFO :

ROUTING

1	4
2	5
3	6

22 JUN 70 17 30

DEFERRED	PRIORITY	INITIALS
X ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

OUT 70106

PAGE 1 OF 2

TO

CITE

SUBJ: GIANT SCALE/GIANT NAIL EVAL COMPARISON

1. AS REQUESTED IN REF MSG, EVAL OF IMAGERY MADE BETWEEN MSNS GS-208, GS-210, GN-141 AND GN-147. EVAL REVEALED THAT BOTH GIANT NAIL MSNS CONTAINED IMAGERY BETTER THAN BEST IMAGERY IN TWO GIANT SCALE MSNS EVALUATED. GROUND RESOLUTION ESTIMATES FOR EACH CAM IS AS FOLLOWS:

GN-141	2.0 FT
GN-147	2.5 FT
GS-210 OPS CAM	3.0 FT
GS-210 TECH CAM	4.0 FT
GS-208 OPS CAM	4.5 FT
GS-208 TECH CAM	8.0 FT

2. GROUND RES IS AFFECTED BY TWO BASIC FACTORS - RESOLUTION OF SYSTEM (LENS/FILM COMBINATION) AND SCALE. BOTH GIANT NAIL AND OP

COORDINATING OFFICERS

S E C R E T

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.
 Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

CLASSIFIED MESSAGE

S E C R E T

ORIG :
UNIT :
EXT :
DATE :

TO :

FROM:

CONF:

INFO :

ROUTING

1	4
2	5
3	6

--	--	--	--

P R O C E D U R E	DEFERRED	PRIORITY	INITIALS
	ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

PAGE 2 OF 2

TO

INFO

CITE

CAMS USE FILM TYPE 3404 AND HAVE PETZVAL TYPE LENSES. HOWEVER, SCALE OF GIANT NAIL MSN IS TWICE THAT OF OP CAM AT OPERATIONAL ALTITUDES. SINCE GROUND RES INCREASES WITH SCALE OF PHOTOGRAPHY, GIANT NAIL PHOTOGRAPHY SHOULD PROVIDE CONSISTENTLY BETTER GROUND RES. THE TECH CAM PROVIDES LARGEST SCALE IMAGERY; HOWEVER, GROUND RES IS REDUCED BECAUSE OF HIGHER GRANULARITY OF FILM TYPE 206 AS COMPARED TO TYPE 3404 FILM.

3. TOTAL AREA COVERED BY GIANT NAIL MSN GREATER THAN THAT COVERED BY GIANT SCALE MSN. IN VERTICAL MODE, GIANT NAIL PHOTOGRAPHY COVERS A TOTAL OF 227,362 SQ NM MONO COVERAGE, AND 129,417 SQ NM IN STEREO MODE, WHILE GIANT SCALE PHOTOGRAPHY COVERS 92,750 SQ NM.

END OF MESSAGE

COORDINATING OFFICERS

S E C R E T

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1
25X1